



# Riffler & POOLS

HOOSIER RIVERWATCH-INDIANA'S VOLUNTEER WATER MONITORING PROGRAM

## Times, They Are a'Changin'

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SPRING 2004

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**HAPPY NEW YEAR and SPRING, Riverwatchers!!!** We are excited about our upcoming training and monitoring season, and we have lots to tell you as 2004 brings some changes to the Hoosier Riverwatch program!

First, we have decided with much inquiry and input to change the chemical testing kits used by Riverwatch. While thermometers and transparency tubes will still be provided, the new methods include the use of simple test strips for pH and nitrate ([www.sensafe.com/name.php](http://www.sensafe.com/name.php)) and CHEMetrics kits for dissolved oxygen, BOD and orthophosphate. ([www.chemetrics.com/chemets.html](http://www.chemetrics.com/chemets.html))

Coliscan EasyGel will only be provided to volunteers attending a special topics E.coli monitoring workshop.

### WHY Change?

We realized a need to streamline the Riverwatch program and the new methods will make it faster and easier for volunteers to learn and utilize chemistry protocols.

These materials have few steps (they are as easy to use as the GREEN kit!), provide little opportunity for error, produce very little waste (no

hazardous waste), and still provide accurate results (although less precise than Hach).

This simplification will also allow us to offer one Basic Training Workshop in Volunteer Stream Monitoring rather than both Level 1 and 2 workshops. There will be more macroinvertebrate time, too!

### You can still use your GREEN or Hach kits!

Data collected with both the new kits and Hach kits will be entered into the on-line database, selecting the method used for each test from a drop down menu.

GREEN data will no longer be accepted at [www.HoosierRiverwatch.com](http://www.HoosierRiverwatch.com) but can be entered at the national GREEN website: [www.green.org](http://www.green.org) (See page 3.)

### Getting Equipment

New materials may be obtained through our equipment program. The 2004 Equipment Application offers a trade-in option if you have received a past Riverwatch grant. You can download the application from our website at [www.riverwatch.in.gov](http://www.riverwatch.in.gov) (click on Equipment) or request one

from Marie or Diane at [nrec@dnr.state.in.us](mailto:nrec@dnr.state.in.us) or 317-562-1338.

**Equipment Application  
Extended Deadline  
April 15, 2004**

As with a new equipment award, trade-in equipment will require a 2-year testing and reporting commitment. Please keep in mind that these applications are competitive and we may not be able to fulfill all requests. Selection for trade-in equipment will be partly based upon Riverwatch participation, report submission and data entry.

You will not be required to attend a new training to receive trade-in equipment, but you may be interested in attending a Riverwatch Revival workshop to learn the new methods & revive your monitoring skills! (See page 3).

### Loaner Sites

Monitoring equipment will also be available through 20 new statewide loaner sites. A map of these sites should be available on the Hoosier Riverwatch website within the next few weeks.

**New 2004 Manuals may  
be downloaded or  
requested from the web:  
[www.Riverwatch.in.gov](http://www.Riverwatch.in.gov)**

# 2004 Riverwatch Training Workshops

Training sessions are from 8:30am - 4pm. They are open to any interested adult; contact the local host to register. Although workshops are free, you must register in advance. For the most current listing, check the calendar on the Hoosier Riverwatch website: [www.riverwatch.in.gov](http://www.riverwatch.in.gov)

**April 3 – Goshen** – Paul Steury at Merry Lea Env. Center at 260/799-5869 or paulds@goshen.edu

**April 27 – Ellettsville**  
Georgia Schaich at 812/876-3383 or 800/844-1010 or gschaich@yahoo.com

**May 1 – Fort Harrison State Park, Indianapolis**  
Jennifer Campbell at the Marion County SWCD at 317/780-1765 x3 or jennifer-campbell@iaswcd.org

**May 15 – Elkhart** – Krista Daniels at Elkhart County Parks at 574/875-7422 or krista@elkhartcountyparks.org

**May 15 – Fort Wayne**  
Mark Koschmann, Riverwatch Volunteer Instructor, at 260/749-2967 or mekosch@aol.com

**May 22 – Guilford (Dearborn County)** – Kris Streb with Dearborn County SWCD at 812/926-2406 x3 or kris-streb@iaswcd.org or Cynthia Merrill at 812/537-1277 or tpoole@seidata.com

**June 3 – Tippecanoe Battlefield (near Lafayette)**  
Mary Cutler with Tippecanoe County Parks & Rec at 765/567-2993

**June 4 – Delphi (Carroll Co)** Dawn Boston at Wildcat Creek Waste District at wcswd@gte.net

**June 12 – Fort Harrison State Park, Indianapolis**  
Marie or Diane at 317/562-1338 or nrec@dnr.state.in.us

**June 22 – Sullivan County**  
Stacey Hans at Turtle Creek Partnership at 812/356-4138 or turtlecreek@joink.com

**June 25 – Fort Harrison State Park, Indianapolis**  
Marie or Diane at the NREC at 317/562-1338 or nrec@dnr.state.in.us

**June 26 (Special Topics: Hach Chemical Testing Kits & Bugs) – Fort Harrison State Park, Indianapolis**  
Marie or Diane at the NREC at 317/562-1338 or nrec@dnr.state.in.us

**June 26 – Tippecanoe County** – Angie Tilton with Tippecanoe County SWCD at 765/474-9992 ext.111 or angela-tilton@iaswcd.org

**June 28 – Winona Lake (Kosciusko County)** – Darci Zolman at the Kosciusko County SWCD at 574/267-7445 ext.3 or darci-zolman@iaswcd.org

**June 29 – Bloomington**  
Kriste Lindberg with Bloomington Parks & Rec. at 812/349-3700 or lindberg@kiva.net

**July 12 – Richmond** – Hopi Hawk with Richmond Parks & Rec. at 765/983-7420 or hhawk@ci.richmond.in.us

**July 15 – Marion** – Jerry Sweeten at Asherwood Environmental Science Center at 260/563-8148 or jsweeten@asherwood.org  
**Note: Protecting Our Watersheds Training** will be held at the same location on the next day!

**July 27 – Tippecanoe Battlefield (near Lafayette)**  
Mary Cutler with Tippecanoe County Parks & Rec at 765/567-2993

**July 30 – Auburn (DeKalb County)** – Jane Loomis with St Joseph River Watershed Initiative 260/484-5848 x120 or jane-loomis@iaswcd.org

**August 17 – Bloomington**  
Kriste Lindberg with Bloomington Parks at 812/349-3700 or lindberg@kiva.net

**August 19 – Evansville**  
Scott Kramer at Wesselman Woods at 812/479-0771 x2 or wwnpprog@evanville.net

**Sept. 10 – Chesterton**  
Jenny Kintzele with IDNR Lake Michigan Coastal Program at 219/983-9912 or JKintzele@dnr.state.in.us  
**Note: Protecting Our Watersheds Training** will be held at the same location on the next day!

**October 23 – Fort Harrison State Park, Indianapolis** – Marie or Diane at the NREC at 317/562-1338 or nrec@dnr.state.in.us

**November 4 – Spring Mill State Park – (EEAI) Environmental Education Association of Indiana pre-conference workshop**  
Contact Marie or Diane at the NREC at 317/562-1338 or nrec@dnr.state.in.us



## Healthy Water Healthy People

This guide from Project WET (Water Education for Teachers) is filled with 25 hands-on activities related to water monitoring! It is the *perfect* curriculum supplement for educators using Hoosier Riverwatch. The Activity Guide and the Testing Kit Manual (a \$40 value) are provided for free. Classes limited to the first 30 to pre-register. Contact Marie or Diane at Natural Resources Education Center at 317/562-1338 or nrec@dnr.state.in.us

**Friday, June 11** – Fort Harrison State Park, Indy

**Tuesday, August 3** – Paul H. Douglas Environmental Center, Gary

**Friday, November 19** – Fort Harrison State Park, Indy

## Protecting Our Watersheds

This community action program from Earth Force/GREEN guides your middle/high school class or adult watershed organization through the process of analyzing your data, determining where problems may exist in your watershed, and taking action in your community to protect water quality. Open only to trained *Riverwatchers*. The \$65 guide and materials are provided for free. Classes limited to first 25 registered.

**Friday, July 16 – Marion (Grant County)** – Contact Jerry Sweeten at Asherwood at 260/563-8148 or jsweeten@asherwood.org

**Saturday, September 11 Chesterton (Porter Co.)**  
Contact Jenny Kintzele with the IDNR Lake Michigan Coastal Program at 219/983-9912 or JKintzele@dnr.state.in.us

## Special Topics

### GREEN/Hach Training

Since some volunteers may prefer to use the chemistry kits historically used by Riverwatch, we will offer special topics workshops on using the **GREEN and Hach kits**. Volunteers attending one of these workshops will have the opportunity to apply for one of these kits through a special redistribution program.

### Hach & Macroinvertebrates June 26— Fort Harrison State Park, Indianapolis

Learn how to utilize the Hach Stream Survey chemical testing kit and practice aquatic macroinvertebrate identification. Contact Marie or Diane at the NREC at 317/562-1338 or [nrec@dnr.state.in.us](mailto:nrec@dnr.state.in.us)

### Macroinvertebrates & Fly-Tying

Hoosier Riverwatch will partner with GoFishIN for this fun workshop covering macroinvertebrate lifecycles and their role in the aquatic ecosystem. Then you'll learn to tie flies and discover when they can be used while fishing at the river!

**August 7— Location to be determined** – Contact Marie or Diane at the NREC at 317/562-1338 or [nrec@dnr.state.in.us](mailto:nrec@dnr.state.in.us)

### E.coli Monitoring

Date and location to be determined. Please check Riverwatch website for updates.

To request a Riverwatch Revival or a Hach/GREEN Special Topics workshop, please contact us at [riverinfo@dnr.state.in.us](mailto:riverinfo@dnr.state.in.us) or (317) 541-0617 or your local Volunteer Instructor (contact information found at [www.riverwatch.in.gov](http://www.riverwatch.in.gov)).

## Database Shutdown

The Riverwatch on-line database, **[www.HoosierRiverwatch.com](http://www.HoosierRiverwatch.com)** will be **offline from May 1 to May 15**. The shift in our chemical testing materials require several changes be made to the database. You will be unable to access the database to either enter or search for data during this time period. We apologize for this inconvenience!

## Riverwatch Revivals

We will be holding special 1/2 day **Riverwatch Revivals** this summer. These workshops will serve to rejuvenate your volunteer water monitoring skills and enthusiasm! Trained Riverwatch volunteers will have the opportunity to learn how to use our new testing kits and data sheets, and will be able to share their monitoring stories, lessons and successes with fellow participants.



## GREEN Kit Color Cards

We had an article in the last newsletter (Page 5, Vol.8, No. 1) about problems with the GREEN kit color cards. Please refer to that article for more details.

**Nitrate cards with the lot number 700 or 798** in the bottom right hand corner of the card is from a problem batch and should not be used with chemicals other than those that originally came in that kit. **Discard those cards and request a whole new kit** - use order code 5891.

If the colors on your **DO and BOD cards do not match**, please order replacement cards: DO code 6663, BOD code 5889-CC.

**Phosphate cards** with lot numbers **9/00, 6/02, & 798** on the bottom right corner should be replaced using order code 5892-CC.

You have until **May 1** to request replacement cards or kits free of charge from LaMotte. But, this is your **LAST CHANCE!** Contact Danyette in LaMotte Customer Service at [dyw@lamotte.com](mailto:dyw@lamotte.com) or (800) 344-3100.



## Wanted...



- **Expired monitoring equipment** to use for educational purposes. If you are no longer using your Riverwatch monitoring equipment, please **return it to us**. We can certainly find a use for it!

- **Extra GREEN and Hach chemicals** - We will no longer be able to stockpile these chemicals since we are no longer ordering new kits. If you have more than you can use before they expire, please **send them to us** to distribute to other volunteers!

- **Press releases, events and stories** involving Riverwatch volunteers. These may be featured in our newsletter or website. Electronic pictures are welcome, too! Eventually, you will be able to submit such items directly to us through the website.

- **Correlations to state science standards.** We need help in showing other Indiana educators how Riverwatch can help them meet their state science, math or social studies requirements. If you have had to correlate Riverwatch for your classroom, we would **LOVE** a copy of those correlations! Please send them to us at [riverinfo@dnr.state.in.us](mailto:riverinfo@dnr.state.in.us) or by fax (317) 562-0790 or by snail mail (address on the back page of the newsletter).



**[www.GREEN.org](http://www.GREEN.org)**

Although we will no longer accept GREEN kit data in our on-line database, there is a place for you to enter your data! **[www.GREEN.org](http://www.GREEN.org)** is a powerful tool for collecting and analyzing chemical data from sites all over the country.

### Step 1: Sign up

- ~ Click the sign up button, top of the page
- ~ Create a unique UserID and Password
- ~ Create a Project Page (Choose a project title, upload photos and enter a written description of your project).

### Step 2: Add a Site

- ~ Log on to "My Page"
- ~ Use the map to zoom in on your monitoring site (Click 'Add Site', put the cursor over your site and click again) or enter Latitude & Longitude coordinates.

### Step 3: Enter Data

It's that simple! Good luck!

## Make Earth Day 2004 Voter Registration Day

What can you do to prevent water pollution? **VOTE!!!!**

### Rivers Awareness Month

June is Rivers Awareness Month. The event is sponsored by Tom's of Maine as part of their National River Awareness Program, which serves to raise awareness and support of their efforts to protect and restore our nation's waters. To obtain a list of River Tips or to discover how to become a River Steward, visit [www.tomsofmaine.com](http://www.tomsofmaine.com).

### National River Clean Up Week

May 15-23, 2004, is National Rivers Clean Up week. This nationwide grassroots river and stream cleanup effort is coordinated by America Outdoors. Organizations can register by April 1, 2004, for a cleanup packet with public relations materials, trash bags and a tracking form at: [www.nationalrivercleanup.com](http://www.nationalrivercleanup.com)



### Baby Crighton

Lyn and Ian are expecting the arrival of their baby daughter on May 26, 2004. They could not be happier and are very much looking forward to parenthood! Lyn will be on maternity leave until the first of September, so be aware that there will only be one Riverwatch Coordinator during the busy summer months! Congratulations, Lyn and Ian!!

## Database Sweepstakes Winners

Congratulations to the following volunteers on their error-free database entries! They will be contacted regarding receipt of their water monitoring-related prizes. Keep entering your data!

**November** - David Benson, Marion College

**December** - Judi Brown, Dubois County SWCD

**January** - Steve Swoveland, Richmond Sanitary District

**February** - Lee Ann Wallen, Healthy Communities of Henry Co.



### New Adopt-A-River Group!

Stewards of Creation ~

Mississinewa River, Upland

*Riffles & Pools* is a quarterly publication of  
**Hoosier Riverwatch.**

**Lyn Crighton, Hoosier Riverwatch Coordinator**

**Jan Hosier, Volunteer/Outreach Coordinator**

**Fort Harrison State Park - NREC**

**5785 Glenn Road, Indianapolis, IN 46216-1066**

Phone (317)541-0617 // Fax (317)562-0790

E-mail: [Riverwatch@dnr.state.in.us](mailto:Riverwatch@dnr.state.in.us)

Website: [www.riverwatch.in.gov](http://www.riverwatch.in.gov)

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Time to plan your  
spring monitoring  
dates!

CHANGE SERVICE REQUESTED

**HOOSIER RIVERWATCH**  
Fort Harrison State Park - NREC  
5785 Glenn Road  
Indianapolis, IN 46216-1066

